

The GArzette

The official newsletter of the Gwinnett Amateur Radio Society—
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TechFest to showcase digital modes, Linux

More than 300 hams are expected to attend the Gwinnett Amateur Radio Society (GARS) TechFest, this Saturday, Jan. 9, at St. Marguerite d'Youville Catholic Church in Lawrenceville. The event runs from 10 a.m. till 2 p.m.

TechFest, officially sanctioned as a

hamfest by the ARRL, combines an outdoor boneyard with indoor exhibits of various modes and clubs.

Look for tables inside devoted to satellite communications, Linux, digital modes in emergency communications, and QSLing. And expect to see displays from the North

Fulton, Alford, and Kennehoochee clubs, among others. Table set-up begins at 9 a.m.

Outside, expect tailgating with all your amateur buddies. (Tailgating is free, but you must supply your own table.) Boneyard set-up begins at 8 a.m.

In addition, *Frank Sauciunas, KF4TQV*, will be there with his VE team to administer license tests, starting at 10 a.m. and lasting until about 11:15.

(For more information on what to bring to the test, see page 6.)

Finally, you can enjoy the chili cook-off around lunchtime. Burgers, hot dogs, chips and drinks will also be supplied.

Best of all — it's all free.

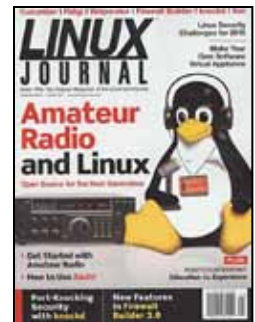
"This year we'll have a satellite communications display and, if conditions are right, a demo," says GARS president *Norm Schklar, WA-4ZXV*. "We've had satellite before, but not the past couple years."

"We will also have a table dedicated to QSLing. For those interested in collecting cards from all over the world, this will be an interesting show-and-tell on how to get those rare cards and confirmed contacts."

Also, he continues, "the Linux craze in the ham community is growing. We'll have a display dedicated to Linux and ham radio. There will also be a forum on the subject."

Finally, Schklar says, attendees should expect demonstrations of digital modes — but with an emphasis on emergency communications.

Exhibitors scheduled this year include: GARS; the ARRL; Kennehoochee Amateur Radio Club and



Ham 'Linux craze'



Look for exhibits at this year's TechFest like this display of classic keys, above. More than 300 hams are expected to attend this year's event. (various photographers)



A note from the President

If it's January, it must be TechFest.

All the winter excitement in the north Georgia amateur-radio community is on Gloster Road in Lawrenceville. We are gearing up for our 12th annual January Technical Festival on Jan. 9. It looks like we'll have several digital modes displayed. We'll see a satellite demonstration. Two or three ARES groups will be displaying. There will be plenty of opportunity to talk about that strange antenna. See and hear about ham-radio software on the Linux platform. Talk some DX, learn how to pry that QSL card out of the other guy's hands. Have you thought about building or repairing that circuit board with surface-mounted devices? We'll show you how. And if you are interested in learning about other clubs in the area, several will be there to flaunt their wares.



**Norm Schklar
WA4ZXV**

I need to mention the chili cook-off. Everyone is invited to bring a crock pot of chili to be judged before being devoured by the lunch crowd. Lunch! It's on us. Around noon, we'll be supplying burgers, chips, chili, drinks and hotdogs.

Maybe you'll want to go for an upgrade at the testing session. Tell your friends about it too. It'll start at about 10 a.m.; the last test will be given at about 11:15.

TechFest begins at 10 a.m., but we'll open the parking lot up for tailgating at about 8 a.m. We'll start cleaning up at 2 p.m. So it makes a short fun- and information-filled Saturday. TechFest is indoors, so the weather shouldn't be a problem.

As you can probably guess from the name, TechFest is about the technologies, procedures and modes we use in amateur radio. It's a great time to learn, share knowledge, and tell some ham-radio tales. We'll have space and coffee for just sitting and talking with your friends. The price is right — it's free!

Don't forget the January meeting on the 12th. Jim Stafford, W4QO, will be helping us get a better understanding of those HF radios.

73,
Norm, WA4ZXV

Other officers:

Earl Whatley, AF4FG, VP
Randy Collins, N4COR, secretary
Dick Sandberg, N9SXJ, treasurer
Kyle Albritton, W4KDA, prog.

Board of Directors

David Adcock, KA4KKF
John Davis, WB4QDX
David Bruse, W4DTR

The **GARzette** is the official monthly organ of the Gwinnett Amateur Radio Society, serving its members and other persons interested in the advancement of the amateur radio art.

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If possible, bring your articles to the monthly meeting in Microsoft Word format or email to n2est@arrl.net. Artwork can be accepted in most any graphics format and can be submitted via email to the same address. Alternate means of submittal can be arranged when necessary. In keeping with the amateur radio spirit, permission is hereby granted for the reproduction of The GARzette articles by other amateur radio club newsletters provided that proper credit is given to the individual author and to The GARzette.

The GARzette is published each month with the assistance of Bill Cherepy, WB4WTN, who stamps and gets the end product to the Post Office each month. Norm Schklar, WA4ZXV, manages email delivery. Many thanks to each of them and all article contributors. Deadline for submissions is the 20th of each month for inclusion in the following month's issue.

For additional info contact:
Newsletter Editor:
Jim Massara, N2EST
(678) 380-8025

Barrow club to conduct Tech, General classes in January

Barrow Amateur Radio Emergency Services Club will conduct classes for earning a ham radio license — one, a “cram” class for newcomers, and the other, a series of classes for more experienced hams — in January.

An all-day class for newcomers will be held on Saturday, Jan. 16, at the J.D. Withers Building in Auburn. At the end of the class, participants use what they just

learned and take their FCC exams toward earning an entry-level Technician license. No experience is required, but you must pre-register and buy “The ARRL Ham Radio License Manual” before class starts.

A 13-week class for Technicians who want to upgrade to General Class will start on Thursday, Jan. 21, at the Church of Mormon/LDS in Winder. Pre-registration is re-

quired also for this class; the ARRL license manual may be purchased at the first class session.

Classes are free, but the required license manual — \$24.95 — and the license exam — \$14 — are not.

For more information, call *Cal Neff, K4JSR*, at (770) 307-4699; e-mail him at ceff1@windstream.net; or access the club webpage at <http://www.barrowhamradio.org>. ■

BSA Venture Crew 73 Wants You

If you are between 14 and 21 years old, enjoy outdoor activities and have an interest in radio technology, Venture Crew 73 is for you.

- Venture Crews are part of the Boy Scouts of America.
- Venture crew 73 is chartered by the Gwinnett Amateur Radio Society.
- Venture crew 73 is coed.
- Meetings are on the second Tuesday of the month, 7:00 p.m., at the St. Marguerite D'Youville Catholic Church, 85 Gloster Rd. NW, Lawrenceville, GA 30044.
- Crew 73 is a youth-run organization, which means that our Crew President and other youth plan the Crew's outings and activities each month. We enjoy:
 - Camping
 - Hiking
 - Horse Back Riding
 - Shooting Sports
- Crew activities usually mix high adventure and the use of amateur radio.
- For more information, either show up at our next meeting or contact:
Steve Back, WB2OGY, Venture Crew 73 Committee Chairman
 - Phone: 770-712-9069
 - Email: committeechair@venturecrew73.org
- Jeff Lee, AF4JL, Venture Crew 73 Advisor
 - Phone: 678-475-3165
 - Email: advisor@venturecrew73.org

GARS Communication System

70 Cm Repeater

444.525(+) MHz
82.5 PL Tone

APRS

144.390 -- 1200 Baud
W4GR

6 Meter Repeater

53.110 (-1 MHz)
82.5 PL Tone

D-Star

WD4STR
145.060 + (1.4 MHz)
440.550 + (5 MHz)

2 Meter Repeater

147.075(+) MHz
82.5 PL Tone

Main Repeater Site

Oak Street, Lawrenceville

Backup Repeater Site

Lanier Mountain, Snellville

Remote Receive Sites

Bogan Road, Buford
Lanier Mountain, Snellville



A scene from the 2004 GARS TechFest.

TechFest continued from page 1

Cobb ARES; North Fulton Amateur Radio League, SMT devices; Alford Memorial Radio Club, Outpost and packet radio; Sawnee Amateur Radio Association, satellite communications; Gwinnett ARES; North Georgia QRP Club; *Ed Woodrick, WA4Y-IH*, D-Star; *Robert Tyler, KF4VBR*, Linux and ham radio; Southeast DX Club; *Arnold Solomon, KC4ZUA*, strange-antenna challenge; Mike Weathers, ND4V, QSLing; Hall County ARES, digital modes in EmComm; *Dave Adanich, K8WDJ*, PSK31; and Hall County, fldigi.

"I visited this event last year and was really impressed with all that was going on," wrote Georgia Section Manager *Gene Clark, W4AYK*, in a recent mailing of his section news. "Even though there is a 'tailgate party' going on outside, the booths inside are dedicated to educating you on just about anything amateur-radio related that you might have a question about. That's the real beauty of this event."

David Adcock, KA4KKF, is once again chairing this year's TechFest. Adcock is also handling set-up and take-down duties. His crew includes: *Sandy Jackson, KJ4DRO*, sponsors; *Kelly Everest, K4NFX*, parking lot and tailgaters; *Schklar*, club liaison; *David Bruse, W4DTR*, forums; *Randy Collins, N4COR*, food; and *Ray Bailey, N4GYN*, publicity.

This is the fourth year St. Marguerite's has provided space for TechFest. "It has been a great facility for the event," *Schklar* says, "and we really appreciate their patience with our group."

The idea of TechFest was first tested in 1998 when *Kevin Berry, KF4RMA*, suggested an event whose primary function was to expose hams to the many facets of the hobby. Unlike Field Day, it's not a contest or race. Rather, it's a chance to experience parts of the hobby that might never be seen otherwise. It's a chance to hear the truth about radios and antennas, without a salesman's spin on the subject. TechFest can encourage free exchange of ideas and knowledge. ■

A TechFest "Epiphany"

I haven't attended every Techfest, but few years ago I had an epiphany. After visiting the various tables I came to the realization there was so much I didn't know that when I left felt like a rookie. It wasn't just about the operating modes I don't use — it was all the tips about the modes I use all the time. Someone once said that an expert is someone who knows more than you do. By that definition, every table was full of experts, and I had to be one of the dumbest people in the room.

Every year I've learned something that helped my operation or my station, and every year the realization that there are a lot of hams who know more than me is reinforced. It's not just that others have better rigs or more equipment in their shack, it's the little things and the techniques that are so impressive. I discovered things I found difficult could be done more easily. I found better computer programs and most were free. The forums provided a wealth of information. I've become much better at DX operation, my antennas are better, all my rigs use power pole connectors, logging is more efficient, and countless other things learned at Techfest are now commonplace in my station.

I don't know what will be offered this year, but I do know I'll learn something useful. I'll visit all the tables, attend all the forums, and talk to as many experts as I can. I may even decide to try some of the modes I don't use now. I know the experts will be glad to help, and I know when I walk out I'll still be one of the dumbest people leaving the room — but not as dumb as when I walked in.

— *Earl Whatley, AF4FG*

Sandy Jackson, KJ4DRO – a ham of many talents

Sandy Jackson, KJ4DRO, wears a lot of hats. Members of GARS know her as an amateur radio operator; ARES members know she's a ham who can be relied upon in an emergency; Georgia Baptist Disaster Relief knows her as expert with a chainsaw; her husband Charlie knows her as his wife, four grown children know her as their mother; and seven grandchildren know her as grandma. The list could be much longer.

But she sent me this e-mail in early November, the day after our interview was conducted. If GARzette readers remembered anything about her, she wrote, she wanted them to know these "important things":

"One, I love the Lord,
"two, I love my family,
"three, I love people."

Sandy came into the hobby indirectly; she had been an active volunteer for Georgia Baptist Disaster Relief, specializing in clean-up and recovery (hence, the expertise with a chainsaw). In 2008 she took a class given by the Civilian Emergency Response Team (CERT). GARS and ARES member *Dave Adanich, K8WDJ*, was facilitating the class. (*Ryan Hayney*, not yet licensed as *KJ4DRN*, was also in the class.)

The CERT class, said Sandy, taught her "how to be prepared in case of an emergency in your community — you know, how to shut off gas and electric, first aid, how to set up a triage and a morgue and all that stuff, what to do in hazmat situations. And during the class, Dave Adanich said we're having a ham-radio class in April and you really should consider it because it goes along with the whole CERT thing."

So she did. But first she bought a copy of the "Ham Radio for Dummies" book. She loved it. "I studied and studied, and then I went to QRZ.com and took their online test — and didn't do all that well," Sandy recalled. "But when I got



Sandy in her shack. Note the piece of wood under her 2-meter rig.

(to class), *Will (Perkins, WIZRV)* said he'd make sure we understood it enough to pass, and he was right." She became a Tech Plus in April 2008. She bought a mobile 2-meter Yaesu soon thereafter.

Did she have any technical background before getting that license?

"No, not at all," she laughed.

"It was all Greek.

"When I went to chainsaw school for Georgia Baptist, we had to take a verbal test, we had to take a written test, and we had to drop a tree and hit a target they picked for us," she continued. "It was a very hard class, and I passed that. And we had to take the saw apart and put it back together, and I'm pretty handy for a girl, so I thought I can do this stuff."

Not that she hasn't needed help from time to time. When she has had questions about specific radios, for example, she would shoot a quick e-mail to Adanich. And she said she's a little "nervous" about her first time soldering, so she still hasn't gotten around to repairing a PL259 connector that has broken off of a cable.

Sandy's main rig is a mobile 2-meter Yaesu, screwed to a wooden board so it can be used either inside or in her car, a Honda Element. "I have a little cup holder console that I bought, and it has slots for CDs," she explained. "That

little piece of wood slips down and goes right into the slot. But it took me a few tries to get the right cup holder. AutoZone was real nice, and they let me run in and out of the store with different ones before I bought one."

When does she use it? "If I'm going more than 5 miles away, I put it in the car," Sandy said. "Mostly, I'm just around town, so I use my handheld."

Sandy's current handheld is a Yaesu FT-60, purchased from Ham Radio Outlet. "They've been very good to me," she said. "I was going for one a little smaller, maybe the tri-bander or the dual-bander, but I couldn't see the buttons," she said with a laugh. "Yes, this is just right."

Sandy also has been on the six-week rotation for the GARS Sunday-night net control for more than a year. And in February she'll be taking Georgia Baptist Disaster Relief's communication class, which requires that one already be a licensed ham.

And then there are those hobbies.

Did you know that Sandy: Plays bass in a bluegrass band? Caters weddings? Does organic gardening? Works as a scroll-saw artist? Acts in her church's drama ministry?

Does Sandy ever sleep?

"Rarely," she said with a laugh. "It's overrated." ■

Metro Atlanta VE Exam Schedule.

GARS publishes Metro Atlanta VE exam schedules as a service and is not responsible for errors or changes. Call and confirm schedules before going. All sessions are walk-in. Take copies of current license and certificate of completed elements with you to all sessions. Find additional sessions online at www.arrl-ga.org.

First Saturday, Even Months

9 a.m.
EOC Building
Butch Nitz, AF4FS
(770) 968-8780

First Wednesday

7 p.m.
ARRL/VEC
Roberts School
4681 School Street, Acworth
Jodi Escher AG4BK
(770) 387-1591

Second Saturday, Odd Months

ARRL VEC
8:30 a.m.
Stone Mountain Methodist Church
5312 West Mountain St.
Stone Mountain
Bob Varone, W4ETN
(770) 978-3179

Third Saturday

CA VEC
9 a.m.
Marietta First United Meth. Church
Room 305,
56 Whitlock Ave.
Marietta
David Still, WB4RRD
(707)973-2566

Fourth Tuesday

ARRL VEC
7 p.m.
United Way Service Center
6279 Fairburn Rd.
Douglasville

Third Sunday

W5YI VEC
3-5 p.m.

GARS will sponsor exams for ham-radio license at TechFest, this Saturday, Jan. 9, 10 a.m. to 11:30 a.m.

The exams will be given at St. Margurite D'Youville Catholic Church, 85 Gloster Rd. NW, Lawrenceville, Ga. 30044.

We had another great ham
If you want to take a test, you should bring a photo ID (e.g. driver's license, student ID, etc.); your original license (if you have one) and a copy of the license, as well as original CSCE and copy for prior elements passed. Minors must have two forms of ID and a Social Security number. Be sure to bring a pen and pencil with eraser, a calculator with its memory cleared, and an exam fee of \$14 cash (checks are not accepted). Walk-ins are welcome. No pre-registration is required.

73,
Frank Sauciunas, KF4TQV
Webmaster: Lawrenceville Masonic Lodge No. 131
Lodge web page: <http://lv131.org>
Email: kf4tqv@charter.net
<http://webpages.charter.net/kf4tqv>



Lawrenceville Masonic Lodge
465 S. Perry St.
Lawrenceville, GA 30044
(770)-963-5721

Fourth Sunday

2:30 p.m.
Georgia Tech
VanLeer Elec. Building
Rm. W218
77 Atlantic Dr.
www.w4aql.com
Alexander G. Carver
(404)894-2936
acarver@ece.gatech.edu

Metro Club Meetings

First Tuesday

Kennehoochee ARC
Southern Polytechnic
State University
Meeting begins at 7:30 p.m.
Talk In 146.880(-)

Second Monday

Georgia Tech ARC
Room W218
Van Leer Electrical
Engineering Bldg.
Georgia Tech Campus
Meeting at 7:00 p.m.

First Thursday

Atlanta Radio Club
Georgia Red Cross HQ
1955 Monroe Dr., Atlanta
Meeting is at 7:30 p.m.
Talk In -146.820(-)

N.E. Georgia ARC

Commerce Public Library
Meeting is at 6:30 p.m.
Talk In - 147.225(+)
PL 123.0

Second Thursday

Alford Memorial Radio Club
Annistown Road Baptist Church
Intersection of Annistown Rd &
Spain Rd
Stone Mountain
Dinner at 6:00 p.m.
Meeting at 7:30 p.m. Talk In -
146.760(-)

Third Tuesday

North Fulton Amateur Radio League
Masonic Lodge
194 Milton Avenue
Alpharetta, Georgia
meeting at 7:30 PM
Talk In - 145.47(-)

Second Saturday

North GA QRP Club
Wieuca Baptist Church on
Peachtree Rd/Wieuca, 10 a.m.



Several GARS members provided logistical support in December for the 29th Annual Children's Christmas Parade in downtown Atlanta. Among them were Hal Collier, W4IGE, and Joshua Brinker, KJ4QIL (far right). Above, Tim Rosing, KC4ELV, longtime organizer of ham support for the parade, makes a point to a volunteer. (Photos by Jim Massara, N2EST.)



Long-time repeater manager Eddie Foust, WD4JEM (left), receives his Ham of the Year award from club president Norm Schklar, WA4ZXV, at the December Christmas dinner. Larry Osborne, WT4XX, posted this on the GARS reflector: "I have known Eddie for 16 years, and what a fantastic choice for Ham of the Year. GARS, and amateur radio, could not do better. Eddie personifies the Amateur Creed, as described by the ARRL. Congratulations to Eddie, and to GARS for its fine selection." (Photo by Doug Kregel, KB6RRX.)

ARES housed in new facility

Gwinnett County ARES will hold its next monthly meeting Jan. 26 at the newly completed Gwinnett County Emergency Operations Center (EOC) at 800 High Hope Road in Lawrenceville. Greg Swanson, Gwinnett EMA, has invited ARES to hold all its future meetings there as well. The facility will have a

room devoted entirely to ARES.

Gwinnett Emergency Coordinator John Davis, WB4QDX, reports that an electrician will be making some last-minute modifications to the room this month to facilitate use of ham equipment.

When completed, Davis says, the ARES room will have HF capabilities on 75 and 40 meters with a Yaesu FT-450; 2 meter and 440

with an Icom IC-2820 using FM and D-STAR; 2-meter packet with a Yaesu VHF radio; and D-STAR high-speed data with Internet access on 1.2 GHz with an Icom ID-1. The building also has a generator and full UPS system for uninterrupted backup power.

More details on building access will be available later this month.



Tale of the tennis-ball launcher – a rainy weekend project

By Norm Schklar, WA4ZXV

A couple years back, *Kirk Braunius, AI4PZ*, sent me a link describing how he built his tennis ball launcher. I wanted to build one, but some of the parts seemed a little hard to find. Not in Norcross! So I put it off. Then I talked with my neighbors, and they agreed to allow me to put up a loop. It would take all three yards to get 529 feet in the air. *Doug Kregel, KB6RRX*, originally came over with his slingshot and helped me get the wire in the trees. I had a taller tree that we weren't using, but it looked hard for a slingshot. After some time with the loop up but not optimally for my location, I decided I needed a ball launcher. So, instead of building one, I called Kirk and borrowed his. Putting the lines in the top of any tree was no problem. Then came Field Day, and I used his launcher for three or four of our temporary antennas.

Well, Kirk needed his launcher back. Now it was time to start rounding up parts. I read the instructions and parts list again, and I went searching. The whole kit, with much of it pre-drilled, is \$97, and I figured I could do better and have some fun. It seems the barrel that fits a tennis ball is a little hard to find. I tried Kirk's source and several others. No luck on the SRD21 2.5" PVC, so I looked up the manufacturer and called their Georgia rep. Turns out a company called Stovall Irrigation on Buford Highway generally stocked the pipe. I rode over (about 2 miles) and picked up most everything I needed for about \$60. That was great. Now I needed the glue, hose clamps, 1/8- and 1/4-inch pipe taps, a 1/4-inch pipe elbow, an air tank valve and air tank gauge. So I'm still ahead of the price of the kit and I had a good time putting it all together. I strayed from

the instructions by using threaded connections instead of slip or glued connections in a couple of places. Seems drilling a hole in the PVC caps is critical if you plan to cement. Since I don't have a lathe or a big choice of hole saws, I elected to use threaded and pinch the cap between two pieces of female-threaded PVC. I added an o-ring to each. I used a 1-3/8 saw and added epoxy to the inside of the caps. One advantage is that I now have the barrel, valve and tank, which can be separated if I have a need. I spent very near the \$97; about \$20 or so of what I spent could be used on other projects.

While waiting on the glue to dry, I sliced open a few tennis balls, added some weight and tied on a string to attach to the reel on top of the launcher.

I now have a tennis ball launcher. Too wet this weekend to do much testing. I shot one straight



up and lost it for a few seconds, then ducted until it hit the driveway. Shot another with my neighbor watching, and it went twice as high as any tree in the area. When the weather lets up I'll be raising a couple sections of my loop that I compromised when first installed. Instead of going through the trees, I'll go over.

If you are interested in more detail, just write or call.

I started with these instructions. <http://tinyurl.com/nzg2pb>

GARS

APPAREL ORDER FORM

NAME: _____ PHONE # _____

CALL: _____

NAME TO BE EMBROIDERED: _____

CALL SIGN TO BE EMBROIDERED: _____

ITEM	SIZE	QUANTITY	PRICE	TOTAL
T-SHIRT				
Red WITHOUT name & call			\$20.00	
White WITHOUT name & call			\$20.00	
Red WITH name & call			\$20.00	
White WITH name & call			\$20.00	
GOLF SHIRT -- WITHOUT name & call				
Red			\$24.00	
White			\$24.00	
GOLF SHIRT -- WITH name & call				
Red			\$28.00	
White			\$28.00	
SWEATSHIRT				
Red WITHOUT name & call			\$30.00	
White WITHOUT name & call			\$30.00	
Red WITH name & call			\$30.00	
White WITH name & call			\$30.00	
LIGHTWEIGHT JACKET -- RED ONLY				
WITHOUT name & call			\$31.00	
WITH name & call			\$35.00	
HEAVYWEIGHT JACKET -- RED ONLY				
WITHOUT name & call			\$41.00	
WITH name & call			\$45.00	
GARS BADGE -- WITH name & call			\$9.00	
HAT -- WITHOUT name & call				
Red			\$9.00	
White			\$9.00	
HAT -- WITH name & call				
Red			\$14.00	
White			\$14.00	

TOTAL ORDER PRICE: _____

Please attach your check made payable to GARS and return to Dick Sandberg, N9SXJ or mail to:

GARS
P.O. Box 88
Lilburn, Georgia 30048

NOTE: Please allow at least 4 weeks for delivery of items. Some items may need to be special ordered.

Thanks and 73s! -- Dick N9SXJ

Gwinnett Amateur Radio Society
P.O. Box 88
Lilburn, GA 30048

MEMBERSHIP APPLICATION

NEW MEMBER RENEWAL

Amateur Call Sign _____ License _____ Class _____ Novice Technician General
Advanced Extra

Name _____

Address _____

City _____ State _____ Zip _____ - _____

Email address _____

Home Telephone _____

Work Telephone _____

Cell Telephone _____

Date of Birth ____ / ____ / ____ (mm/dd/yy)

ARRL Member Yes No Life

Interests _____

I prefer to receive the GARZETTE newsletter by: US Mail Email (please check only one)

Type of Membership

Individual \$30.00 annually
Student \$15.00 annually
Senior \$15.00 annually (over age 65)
Family ** \$35.00 annually

** Available for family members residing at the same address

Optional Contributions

Repeater Fund \$ _____

Scholarship Fund \$ _____

Additional Family Members **

Name _____ Date of Birth ____ / ____ / ____ (mm/dd/yy)

License Class Technician General Extra ARRL Member Yes No Life

Interests _____

Name: _____ Date of Birth ____ / ____ / ____ (mm/dd/yy)

License Class Technician General Extra ARRL Member Yes No Life

Interests _____

I agree to abide by the By-Laws of the Gwinnett Amateur Radio Society and understand that membership is subject to the approval of the Club.

Applicant Signature _____ Date ____ / ____ / ____

GWINNETT COLLISION CENTER, INC.

305 Sharon Ind. Way
Suwanee, Georgia 30024
(770) 945-0161
Import and Domestic
Unibody and Frame Repair

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Mark Justice

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Mark Holmes
Manager
KJ4VO

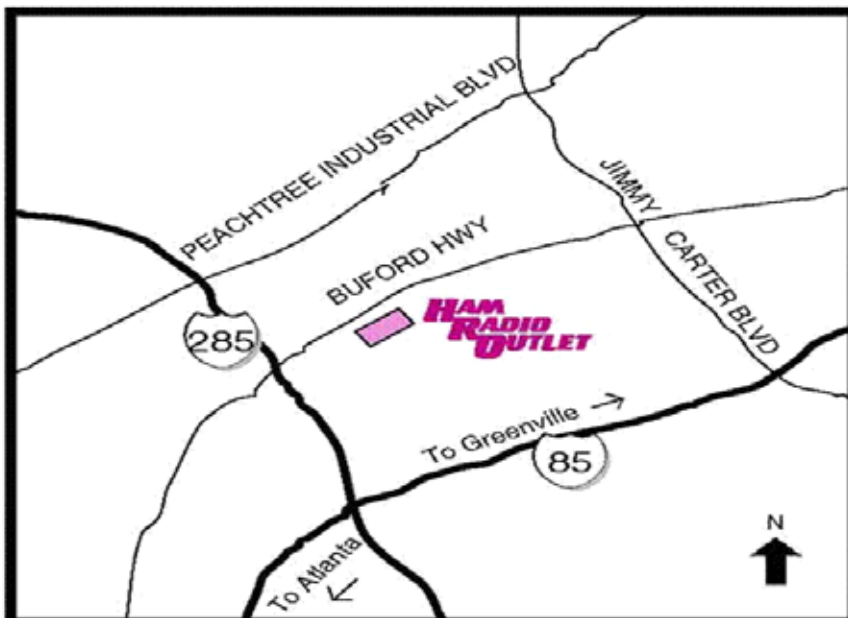
6071 Buford Highway
Atlanta, GA 30340 (Doraville)
770-263-0700 1-800-444-7927
Fax: 770-263-9548
e-mail: atlanta@hamradio.com
hours: 10 a.m. - 5:30 p.m. Mon.-Sat.

John, KI4LMA
Dale, W4GCL

Bill, W5RQR
Jim, N1ABM

David, AI4XL
Josh, W4JDH

Tom, KB4HQA
Brian, WD4DX



Alinco
Icom
Japan Radio Corp.
Premier
ADI
Yaesu
Alpha Delta
Arrow
Butternut
Create
Kenwood
Tarheel
Heil
West Mountain

Cushcraft
Diamond
Force 12
Hustler
Hy-Gain (Telex)
KLM
Larsen
M2
Valor
Van Gorden
MFJ
Ameritron
Comet

Gwinnett Amateur Radio Society
P.O. Box 88
Lilburn, GA 30048



GARS Recurring Calendar

- *Monthly club meeting* is the 2nd Tuesday of the month at 7 PM.

Check the [website](#) for location.

- Every Monday at 8 PM local time: *GARS Want, Swap, Sell, and Information Net* on the GARS 2 meter repeater.

- Every Wednesday at 9 PM local time: *GARS 6 meter net* on the GARS 6 meter repeater.

- Every Saturday at 7:30 AM local time: *GARS Weekly Family Breakfast*, Golden Corral Restaurant, Riverside Drive, Lawrenceville.

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* * References available upon request.